

--SUMMARY OF THE INVENTION--

Page 8, before line 22 insert the following header:

--BRIEF DESCRIPTION OF THE DRAWINGS--

Page 9, before line 11, add the Header:

--DESCRIPTION OF THE PREFERRED EMBODIMENTS--

Please amend the claims as they appear in the Preliminary Examination Report dated 03.09.2001 and as originally filed as follows:

IN THE CLAIMS:

1. (Amended) A pilot valve for use in a water supply system, said valve comprising:
[including]
biasing means to control a gate for controlling water flow through a control chamber;
a second chamber sealed by a second chamber diaphragm into which control pressure is
applicable for also controlling the operation of the gate, whereby, in use, an increase in control
pressure acts to reduce water flow through the gate; and
wherein the side of the diaphragm against which the control pressure is not applied, is in
fluid communication with the control chamber.

2. (Amended) A pilot valve according to claim 1 wherein [the] said biasing means is biased
to open [the] said gate.

3. (Amended) A pilot valve according to claim 2 wherein [the] said biasing means is rigidly
connected to [the] said gate by a mechanical linkage.

5. (Amended) A pilot valve according to claim 3 [or claim 4] wherein the diaphragm is rigidly connected to said biasing means via a mechanical linkage.

6. (Amended) A pilot valve according to [any one of the preceding] claim[s] 1 wherein [the] said biasing means is a spring means.

7. (Amended) A pilot valve according to claim 6 wherein [the] said spring means is a helical spring.

8. (Amended) A pilot valve according to [any one of the preceding] claim[s] 1 further including a control chamber diaphragm.

9. (Amended) A pilot valve according to claim 8 wherein said biasing means is located on the opposite side of [the] said control chamber diaphragm to [the] said control chamber.

10. (Amended) A pilot valve according to [any one of] claim[s] 8 [or 9] wherein the ratio of the area of [the] said control chamber diagram to [the] said second chamber diaphragm is 2:1 or less.

11. (New) A pilot valve for use in a water supply system, said valve comprising:
biasing means to control a gate for controlling water flow through a control chamber;
a second chamber sealed by a second chamber diaphragm into which control

pressure is applicable for also controlling the operation of the gate, whereby, in use, an increase in control pressure acts to reduce water flow through the gate;

wherein the side of the diaphragm against which the control pressure is not applied, is in fluid communication with the control chamber;

wherein the biasing means is biased to open the gate and is rigidly connected to the gate by a mechanical linkage;

wherein the diaphragm is rigidly connected to the gate and the biasing means by a mechanical linkage; and

further including a control chamber diaphragm wherein said biasing means is located on the opposite side of the control chamber diaphragm to the control chamber.

REMARKS

Attached is the clean version of the claims and new paragraphs as required in Section 1.121(4) (ii).

The application should now be in condition for examination, which is respectfully requested.

Respectfully Submitted

HEAD, JOHNSON & KACHIGIAN

Dated: 30 November 2001

BY: Mark G. Kachigian
Mark G. Kachigian, Reg. No. 32,840
228 West 17th Place
Tulsa, Oklahoma 74119
(918) 584-4187
Attorneys for Applicant

Clean Version of the Claims

1. (Amended) A pilot valve for use in a water supply system, said valve comprising:
biasing means to control a gate for controlling water flow through a control chamber;
a second chamber sealed by a second chamber diaphragm into which control pressure is
applicable for also controlling the operation of the gate, whereby, in use, an increase in control
pressure acts to reduce water flow through the gate; and
wherein the side of the diaphragm against which the control pressure is not applied, is in
fluid communication with the control chamber.

2. (Amended) A pilot valve according to claim 1 wherein said biasing means is biased to
open said gate.

3. (Amended) A pilot valve according to claim 2 wherein said biasing means is rigidly
connected to said gate by a mechanical linkage.

4. (Amended) A pilot valve according to claim 3 wherein the diaphragm is rigidly
connected to said biasing means via a mechanical linkage.

5. (Amended) A pilot valve according to claim 1 wherein said biasing means is a spring
means.

6. (Amended) A pilot valve according to claim 5 wherein said spring means is a helical
spring.

Rule 12b 7
8. (Amended) A pilot valve according to claim 1 further including a control chamber diaphragm.

Rule 12b 8
9. (Amended) A pilot valve according to claim 8 wherein said biasing means is located on the opposite side of said control chamber diaphragm to said control chamber.

Rule 12b 9
10. (Amended) A pilot valve according to claim 8 wherein the ratio of the area of said control chamber diaphragm to said second chamber diaphragm is 2:1 or less.

Rule 12b 10
11. (New) A pilot valve for use in a water supply system, said valve comprising:
biasing means to control a gate for controlling water flow through a control chamber;

a second chamber sealed by a second chamber diaphragm into which control pressure is applicable for also controlling the operation of the gate, whereby, in use, an increase in control pressure acts to reduce water flow through the gate;

wherein the side of the diaphragm against which the control pressure is not applied, is in fluid communication with the control chamber;

wherein the biasing means is biased to open the gate and is rigidly connected to the gate by a mechanical linkage;

wherein the diaphragm is rigidly connected to the gate and the biasing means by a mechanical linkage; and

further including a control chamber diaphragm

wherein said biasing means is located on the opposite side of the control chamber diaphragm to the control chamber.